

2018 - November

Calendar for ESO - La Silla

2018 - November

Longitude: W 070 44
Latitude : S 29 15

Height: 400m
Time Zone: -04h 00m

Zone Time = UT - 04h 00m

| Date | J.D. at Oh UT 245 | LMST at Oh UT h m s | Moon | | Moon Transit Dec. Phase o ' " | Morning | | | Sun | | Evening | | | |
|---------|-------------------------|---------------------------|-------|-------|-------------------------------------|-------------|-------------|-------------|-------|-------|-------------|-------------|-------------|-------|
| | | | Rise | Set | | Astr. Twil. | Naut. Twil. | Civil Twil. | Rise | Set | Civil Twil. | Naut. Twil. | Astr. Twil. | |
| | | | h m | h m | | h m | h m | h m | h m | h m | h m | h m | h m | h m |
| Thur 1 | 8423.5 | 21 58 00 | 01 54 | 13 08 | +17 19 | 0.41 | 04 24 | 04 55 | 05 24 | 05 46 | 19 08 | 19 29 | 19 59 | 20 30 |
| Fri 2 | 8424.5 | 22 01 56 | 02 40 | 14 12 | +13 21 | 0.30 | 04 23 | 04 54 | 05 23 | 05 45 | 19 08 | 19 30 | 20 00 | 20 31 |
| Sat 3 | 8425.5 | 22 05 53 | 03 21 | 15 15 | +08 37 | 0.20 | 04 22 | 04 53 | 05 23 | 05 44 | 19 09 | 19 31 | 20 01 | 20 32 |
| Sun 4 | 8426.5 | 22 09 49 | 04 00 | 16 17 | +03 27 | 0.11 | 04 21 | 04 52 | 05 22 | 05 44 | 19 10 | 19 32 | 20 02 | 20 33 |
| Mon 5 | 8427.5 | 22 13 46 | 04 38 | 17 19 | -01 50 | 0.05 | 04 20 | 04 51 | 05 21 | 05 43 | 19 11 | 19 33 | 20 03 | 20 34 |
| Tues 6 | 8428.5 | 22 17 42 | 05 15 | 18 19 | -06 55 | 0.01 | 04 19 | 04 50 | 05 20 | 05 42 | 19 11 | 19 33 | 20 04 | 20 35 |
| Wed 7 | 8429.5 | 22 21 39 | 05 53 | 19 19 | -11 33 | 0.00 | 04 18 | 04 49 | 05 19 | 05 41 | 19 12 | 19 34 | 20 05 | 20 36 |
| Thur 8 | 8430.5 | 22 25 36 | 06 33 | 20 18 | -15 27 | 0.01 | 04 17 | 04 48 | 05 19 | 05 41 | 19 13 | 19 35 | 20 05 | 20 37 |
| Fri 9 | 8431.5 | 22 29 32 | 07 15 | 21 16 | -18 27 | 0.05 | 04 16 | 04 48 | 05 18 | 05 40 | 19 14 | 19 36 | 20 06 | 20 38 |
| Sat 10 | 8432.5 | 22 33 29 | 07 59 | 22 11 | -20 24 | 0.10 | 04 15 | 04 47 | 05 17 | 05 39 | 19 15 | 19 37 | 20 07 | 20 39 |
| Sun 11 | 8433.5 | 22 37 25 | 08 47 | 23 02 | -21 14 | 0.17 | 04 14 | 04 46 | 05 17 | 05 39 | 19 15 | 19 38 | 20 08 | 20 40 |
| Mon 12 | 8434.5 | 22 41 22 | 09 36 | 23 50 | -20 58 | 0.25 | 04 13 | 04 45 | 05 16 | 05 38 | 19 16 | 19 39 | 20 09 | 20 41 |
| Tues 13 | 8435.5 | 22 45 18 | 10 28 | | -19 41 | 0.34 | 04 13 | 04 45 | 05 15 | 05 38 | 19 17 | 19 39 | 20 10 | 20 43 |
| Wed 14 | 8436.5 | 22 49 15 | 11 20 | 00 34 | -17 28 | 0.43 | 04 12 | 04 44 | 05 15 | 05 37 | 19 18 | 19 40 | 20 11 | 20 44 |
| Thur 15 | 8437.5 | 22 53 11 | 12 13 | 01 14 | -14 27 | 0.53 | 04 11 | 04 43 | 05 14 | 05 37 | 19 19 | 19 41 | 20 12 | 20 45 |
| Fri 16 | 8438.5 | 22 57 08 | 13 06 | 01 51 | -10 46 | 0.63 | 04 10 | 04 43 | 05 14 | 05 36 | 19 20 | 19 42 | 20 13 | 20 46 |
| Sat 17 | 8439.5 | 23 01 05 | 14 00 | 02 26 | -06 31 | 0.72 | 04 10 | 04 42 | 05 13 | 05 36 | 19 20 | 19 43 | 20 14 | 20 47 |
| Sun 18 | 8440.5 | 23 05 01 | 14 54 | 02 59 | -01 53 | 0.81 | 04 09 | 04 42 | 05 13 | 05 35 | 19 21 | 19 44 | 20 15 | 20 48 |
| Mon 19 | 8441.5 | 23 08 58 | 15 50 | 03 33 | +03 00 | 0.88 | 04 08 | 04 41 | 05 12 | 05 35 | 19 22 | 19 45 | 20 16 | 20 49 |
| Tues 20 | 8442.5 | 23 12 54 | 16 48 | 04 07 | +07 54 | 0.94 | 04 08 | 04 41 | 05 12 | 05 35 | 19 23 | 19 46 | 20 17 | 20 50 |
| Wed 21 | 8443.5 | 23 16 51 | 17 48 | 04 43 | +12 34 | 0.98 | 04 07 | 04 40 | 05 12 | 05 34 | 19 24 | 19 46 | 20 18 | 20 51 |
| Thur 22 | 8444.5 | 23 20 47 | 18 50 | 05 23 | | | 04 06 | 04 40 | 05 11 | 05 34 | 19 25 | 19 47 | 20 19 | 20 52 |
| Fri 23 | 8445.5 | 23 24 44 | 19 54 | 06 07 | +16 41 | 1.00 | 04 06 | 04 39 | 05 11 | 05 34 | 19 25 | 19 48 | 20 20 | 20 53 |
| Sat 24 | 8446.5 | 23 28 40 | 20 59 | 06 56 | +19 53 | 0.99 | 04 05 | 04 39 | 05 11 | 05 33 | 19 26 | 19 49 | 20 21 | 20 54 |
| Sun 25 | 8447.5 | 23 32 37 | 22 01 | 07 51 | +21 49 | 0.95 | 04 05 | 04 38 | 05 10 | 05 33 | 19 27 | 19 50 | 20 22 | 20 55 |
| Mon 26 | 8448.5 | 23 36 34 | 23 00 | 08 52 | +22 15 | 0.88 | 04 04 | 04 38 | 05 10 | 05 33 | 19 28 | 19 51 | 20 23 | 20 57 |
| Tues 27 | 8449.5 | 23 40 30 | 23 53 | 09 56 | +21 07 | 0.79 | 04 04 | 04 38 | 05 10 | 05 33 | 19 29 | 19 52 | 20 24 | 20 58 |
| Wed 28 | 8450.5 | 23 44 27 | | 11 01 | +18 34 | 0.68 | 04 04 | 04 38 | 05 10 | 05 33 | 19 30 | 19 53 | 20 25 | 20 59 |
| Thur 29 | 8451.5 | 23 48 23 | 00 40 | 12 05 | +14 51 | 0.57 | 04 03 | 04 37 | 05 09 | 05 32 | 19 30 | 19 53 | 20 26 | 21 00 |
| Fri 30 | 8452.5 | 23 52 20 | 01 23 | 13 08 | +10 19 | 0.45 | 04 03 | 04 37 | 05 09 | 05 32 | 19 31 | 19 54 | 20 27 | 21 01 |